



Design A Brochure For The Prescribed Fire Program At Pukaskwa National Park of Canada

Objectives:

- To research Pukaskwa National Park of Canada
- To research and understand the concept of prescribed fires
- To work on a project that supports curriculum expectations
- To use and apply various forms of research

Project Description:

In the following activity, students will work individually or in pairs to create a brochure to promote the Prescribed Fire Program at Pukaskwa National Park. Students will create the brochure, knowing that the target audience for this brochure is Pukaskwa National Park visitors. Students will research information about Pukaskwa National Park and prescribed fires, and will use the template provided to assist with gathering information. Teachers can decide on the format for the final brochure (e.g. 8 ½" by 11" folded 3 panel). A rubric is included for evaluating the brochure.

Grade and Subject:

For a complete list of grades and subjects, please go to the Teacher Resource Centre website at www.pc.gc.ca/education

To assist you with your research, visit these Parks Canada websites:

www.pc.gc.ca/education [keyword search "Pukaskwa"]

www.pc.gc.ca/pn-np/on/pukaskwa/index_e.asp

www.pc.gc.ca/progs/np-pn/eco/eco5_e.asp

www.pc.gc.ca/pn-np/on/pukaskwa/natcul/natcul3_e.asp

www.pc.gc.ca/eng/pn-np/on/pukaskwa/natcul/natcul4.aspx

Other Fire-Related Lesson Plans:

To Burn Or Not To Burn: Deciding Whether To Put Out Wildfires In Pukaskwa National Park

**** note to Mike and Susan.... add the URL for the wildfire lesson**

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***NOTE TO TEACHERS: We would greatly appreciate seeing samples of your students' brochures! If you are willing to share them with us, please contact Mike Small at mike.small@pc.gc.ca .



DESIGN A BROCHURE FOR THE PRESCRIBED FIRE PROGRAM AT PUKASKWA NATIONAL PARK OF CANADA

Parks Canada needs your help! Pukaskwa (pronounced “Puk-a-saw”) National Park, located on the north-east end of Lake Superior halfway between Thunder Bay and Sault Ste. Marie, has had a fire exclusion policy for many decades.

Years of fire suppression have disrupted the health and functioning of the park’s ecosystems. The park, in keeping with its commitments to maintain or restore ecological integrity, has decided to use prescribed fires to manage the park’s vegetation (eg. White pine restoration). Parks Canada’s goal is to restore the native park ecosystem through the use of prescribed fires. Its first priority, however, is to protect people, property, neighbouring lands and cultural values. This means that some areas will still be excluded from burning (such as the popular day use area of Hattie Cove), however other areas will be allowed to burn under carefully controlled conditions.

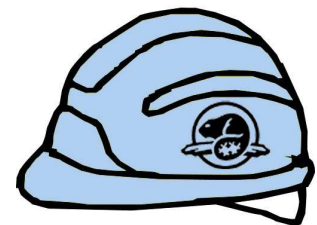
This is where Pukaskwa National Park needs your help! The park receives many visitors each year and would like to inform the public about prescribed fires and the role they play in the park’s ecosystem. **Your task is to create a brochure for park visitors to promote the prescribed fire program.**

The template provided will assist you with organizing the information you collect. Be creative when designing your brochure! Remember, the brochure must include information on the park’s natural environment, prescribed fires and how the public may be affected; including any safety concerns. This can be done through a combination of text, maps, photographs, diagrams and/or drawings. The brochure will be graded using the rubric provided.

Fire Exclusion Policy:
No fires are allowed, and wildfires are stopped immediately.

Ecological Integrity:
Ecosystems have integrity when they have their native components intact, including: abiotic components, biodiversity, and ecosystem processes

Prescribed Fires:
Trained specialists decide when, where and under what conditions fires will be permitted to burn. They consider weather, type of vegetation, fire behaviour, terrain and wildlife in order to burn safely and meet ecological goals.



Useful Websites:

Pukaskwa National Park of Canada

http://www.pc.gc.ca/pn-np/on/pukaskwa/index_e.asp

Ecosystem Management: Fire Management

http://www.pc.gc.ca/progs/np-pn/eco/eco5_e.asp

Pukaskwa National Park of Canada: Prescribed Fire in Pukaskwa National Park of Canada

http://www.pc.gc.ca/pn-np/on/pukaskwa/natcul/natcul3_e.asp



Things you must include:

- ☐ Geographic Location of Pukaskwa National Park
 - ☐ explain where the park is located
- ☐ Information on the Park:
 - ☐ describe the natural features of the park
- ☐ Logo, photo, map and/or drawing that represents Pukaskwa National Park
- ☐ Information about prescribed fires:
 - ☐ what prescribed fires are
 - ☐ why prescribed fires are important
 - ☐ the history of fire in Pukaskwa National Park
 - ☐ the benefits and challenges of prescribed fires (include any potential impact to visitors and fauna)
 - ☐ how prescribed fires contribute to an ecosystem's health
 - ☐ how the park will ensure prescribed fires are carried out safely
- ☐ Photo or drawing that represents a prescribed fire.
- ☐ References
- ☐ Your name and date

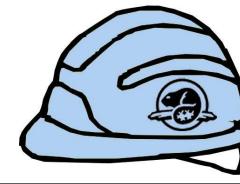
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| As you complete a task, check it off <input checked="" type="checkbox"/> |
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Some things to keep in mind:

- ❖ Brochures should minimize white space.
- ❖ Brochures are colourful and contain many graphics (e.g. photos, diagrams, maps, etc.).
- ❖ Brochures contain concise wording.
- ❖ Your brochure should have a cover page and 2 inside pages at a minimum.

The following template is a tool for gathering your research prior to creating your final brochure. The template, however, is not mandatory and you are free to create your own brochure as long as all the above requirements are met. Posters and/or public service announcements may be considered as optional formats for the final product

Prescribed Fire Program



Name of the National Park: Pukaskwa National Park



Locate Pukaskwa
National Park on
the Ontario map.

Pukaskwa National Park and Surrounding Area:

- explain where Pukaskwa National Park is located

Information on Pukaskwa National Park

Describe the natural environment, flora (plants) and fauna (animals).

**Logo/Photo/Map or Drawing that Represents
Pukaskwa National Park**

Prescribed Fire Program



What are prescribed fires? Why are prescribed fires important?

The history of fire in Pukaskwa National Park:

What are the benefits and challenges to using prescribed fires (including impacts to park visitors and fauna)?

BENEFITS

CHALLENGES

Name: _____ Date: _____

How are prescribed fires used for regenerating forest types and for contributing to a healthy ecosystem?

How does Pukaskwa National Park ensure that prescribed fires are carried out safely?

Photo/Drawing which represents a prescribed fire:

References:

Rubric: Design A Brochure For The Prescribed Fire Program At Pukaskwa National Park of Canada

| Criteria | Level 1 | Level 2 | Level 3 | Level 4 |
|-----------------------------|---|---|--|---|
| Quality of Research | 1-2 references relating to prescribed fire and ecosystems | 3 references relating directly to prescribed fire and ecosystems | 4 references relating directly to prescribed fire and ecosystems | > 4 references relating directly to prescribed fire and ecosystems |
| Brochure Product | Layout hinders information reliability | Design and layout meet basic need of informing | Good design and layout help clarify information | Excellent design and layout help clarify information |
| Brochure Information | Some topics factually correct and somewhat done. Many "Things you Must Include" items are missing or incomplete | Most topics factually correct and reasonably done. Some "Things you Must Include" items are missing or incomplete | All topics mostly factually correct and reasonably done. "Things you Must Include" items are present and mostly complete | All topics factually correct and effectively done. All "Things you Must Include" items are present and complete |

Name of Student:_____

Date:_____